

#3



# UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/823,681	03/30/2001	2681	1154	050321-1850	4	33	4

## CONFIRMATION NO. 6109

24504  
 THOMAS, KAYDEN, HORSTEMEYER & RISLEY, LLP  
 100 GALLERIA PARKWAY, NW  
 STE 1750  
 ATLANTA, GA 30339-5948

## UPDATED FILING RECEIPT



\*OC000000006267472\*

Date Mailed: 07/06/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

### Applicant(s)

Alysha C. Molnar, Santa Barbara, CA;  
 Rahul Magoor, Irvine, CA;

### Assignment For Published Patent Application

Conexant Systems, Inc., Newport Beach, CA;

### Domestic Priority data as claimed by applicant

### Foreign Applications

If Required, Foreign Filing License Granted 05/08/2001

Projected Publication Date: Request for Non-Publication Acknowledged

Non-Publication Request: Yes

Early Publication Request: No

**DOCKETED**

THOMAS, KAYDEN,  
HORSTEMEYER & RISLEY, L.L.P.

Title

Low voltage digital interface

JUL 11 2001

Preliminary Class

455

---

Data entry by : GOREMS, SELAMAWIT

Team : OIPE

Date: 07/06/2001



**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

**PLEASE NOTE the following information about the Filing Receipt:**

- The articles such as "a," "an" and "the" are not included as the first words in the title of an application. They are considered to be unnecessary to the understanding of the title.
- The words "new," "improved," "improvements in" or "relating to" are not included as first words in the title of an application because a patent application, by nature, is a new idea or improvement.
- The title may be truncated if it consists of more than 500 characters (letters and spaces combined).
- The docket number allows a maximum of 25 characters.
- If your application was submitted under 37 CFR 1.10, your filing date should be the "date in" found on the Express Mail label. If there is a discrepancy, you should submit a request for a corrected Filing Receipt along with a copy of the Express Mail label showing the "date in."
- The title is recorded in sentence case.

Any corrections that may need to be done to your Filing Receipt should be directed to:

Assistant Commissioner for Patents  
Office of Initial Patent Examination  
Customer Service Center  
Washington, DC 20231

Serial No.: 09/823,681

Filed: 3/30/01

Patent No.: \_\_\_\_\_

Issued: \_\_\_\_\_

Applicant: Molnar, et al.

Title: Low Voltage Interface

Docket No.: 050321-1850

C/M Date: July 2, 2001

EM No.: \_\_\_\_\_

Due Due: June 30, 2001

PATENT AND TRADEMARK OFFICE  
STAMP HEREON ACKNOWLEDGES  
RECEIPT OF THE BELOW  
IDENTIFIED PAPERS:

USPTO STAMP

Cert. of Mailing:  Regular US Mail  
 Express Mail

Fees  \$ \_\_\_\_\_  
Pymt  Check  
Form  Dep. Acct: \_\_\_\_\_  
 Credit Card Paym't Form

Fee Transmittal Page

Missing Parts Response  
 Verified Small Entity Statement(s)  
 Declaration & Power of Attorney  
 Preliminary Amendment  
 Information Disclosure Statement  
 Form 1449  
 Cited Prior Art References (4)  
 Assignment/Assign't Cover Sheet  
 Status Inquiry (in duplicate)  
 Amendment Transmittal Page  
 Amendment:  
 Non-Final  Final  
 After Notice of Allowance  
 Petition for Extension of Time  
to: \_\_\_\_\_  
 Petition to Make Special  
 Other: \_\_\_\_\_

Fee Transmittal Page  
 Issue Fee Trx.  In Duplicate  
 \_\_\_\_\_ Sheets of Drawings  
 Formal  Informal  
 Letter/Trx. To Draftsman  
 Prior to NOA  W/I NOA  
 After NOA  
 Maintenance Fee Transmittal  
 3.5  7.5  11.5  
 in duplicate  
 Terminal Disclaimer  
 Notice of Appeal  
 Appeal Brief  
 Request for Refund  
 Request for Correction F/R  
 Notice of Continuation Applc.  
 Request for Cert. Of Correct.  
 Certificate of Correction x 2

Person Mailing: SR

Responsible Atty: LET

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Molnar, et al.

Group Art Unit: 2681

Serial No.: 09/823,681

Examiner: To be assigned

Filed: 3/30/01

Docket No.: 050321-1850

For: LOW VOLTAGE INTERFACE

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents

Washington, D.C. 20231

Sir:

This information disclosure statement is filed in accordance with 37 C.F.R. §§ 1.56, 1.97, and 1.98, and specifically:

under 37 CFR 1.97(b), or  
(within Three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits; whichever occurs last)

under 37 CFR 1.97(c) together with either a:  
 Statement Under 37 C.F.R. 1.97(e), or  
 a \$180.00 fee under 37 CFR 1.17(p), or  
(After the CFR 1.97(b) time period, but before the final office action or notice of allowance, whichever occurs first)

under 37 CFR 1.97(d) together with a:  
 Statement under 37 CFR 1.97(e), and  
 a \$180.00 petition fee set forth in 37 CFR 1.17(p).  
(Filed after final office action or notice of allowance, whichever occurs first, but before payment of the issue fee)

Enclosed is a check in the amount of \$\_\_\_\_\_. Please charge \$\_\_\_\_\_. to deposit account \_\_\_\_\_. At any time during the pendency of this application, please charge any fees required to Deposit Account 20-0778 pursuant to 37 CFR 1.25. The Commissioner is hereby requested to credit any overpayment to Deposit Account No. 20-0778.

Applicant(s) submit herewith *Form PTO 1449 - Information Disclosure Citation* together with copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may or may not be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56. As required by 37 C.F.R. §1.98(a), a legible copy of each document is provided.

A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 CFR 1.56(c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on the form PTO 1449 and is enclosed herewith.

The following rights are reserved by the Applicant(s): the right to establish the patentability of the claimed invention over any of the listed documents should they be applied as reference, and/or the right to prove that some of these documents may not be prior art, and/or the right to prove that some of these documents may not be enabling for the teachings they purport to offer.

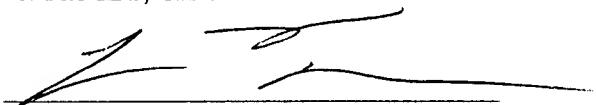
This statement should not be construed as a representation that an exhaustive search has been made, or that information more material to the examination of the present application does not exist. The Examiner is specifically requested not to rely solely on the materials submitted herewith. The Examiner is requested to conduct an independent and thorough review of the documents, and to form independent opinions as to their significance.

It is requested that the information disclosed herein be made of record in this application and that the Examiner initial and return a copy of the enclosed PTO-1449 to indicate the documents have been considered.

Respectfully Submitted,

**THOMAS, KAYDEN, HORSTEMEYER  
& RISLEY, L.L.P.**

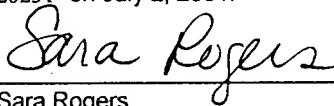
By:

  
Larry E. Thompson, Reg. No. 41,346

100 Galleria Parkway, Suite 1750  
Atlanta, Georgia 30339-5948  
770-933-9500

**CERTIFIED MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as "First Class Mail," in an envelope addressed to: Assistant Commissioner of Patents and Trademarks, Washington, D.C.  
20231 on July 2, 2001.

  
\_\_\_\_\_  
Sara Rogers

Form PTO-1449		Attorney Docket No. <b>050321-1850</b>	Serial No. <b>09/823,681</b>
<b>INFORMATION DISCLOSURE CITATION</b>  <i>(Use several sheets if necessary)</i>		Applicant <b>Molnar, et al.</b>	
		Filing Date <b>3/30/01</b>	Group <b>2681</b>

## U.S. PATENT DOCUMENTS

Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	A	EP 0 798 880 A2	01.10.1997	Europe (Nokia Mobile Phones Ltd.)	H04B 7/22		X	
	B	WO 92/01337	01.23.1992	WO (C Com Group PLC)	H04B 1/30		X	

OTHER DOCUMENTS (*Including Author, Title, Date, Pertinent Pages, etc.*)

C	U.S. Patent Application No. 09/260,919 filed March 2, 1999, Dmitriy Rozenblit, et al., "Direct Conversion Receiver", 43 pages		
D	U.S. Patent Application No. 09/370,099, filed August 6, 1999, Magoon, et al., "Programmable Frequency Divider", 60 pages		
E	U.S. Patent Application No. 09/386,865, filed August 31, 1999, Dmitriy Rozenblit, et al., "Multi-Band Transceiver Utilizing Direct Conversion Receiver", 77 pages		
F	U.S. Patent Application No. 09/398,911, filed September 14, 1999, Damgaard and Magoon, "Wireless Transmitter Having a Modified Translation Loop Architecture", 47 pages		
G	Ian Doyle, "A Simplified Subharmonic I/Q Modulator", <u>Applied Microwave &amp; Wireless</u> , October 1998.		
H	Takafumi Yamaji et al., "An I/Q Active Balanced Harmonic Mixer with IM2 Cancelers and a 45° Phase Shifter", <u>IEEE Journal of Solidfa-State Circuits</u> , vol. 33, no 12, December 1998.		

\* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

EXAMINER'S SIGNATURE:

DATE CONSIDERED: